

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/685,343

DATE: 10/27/2000  
TIME: 18:05:19

Input Set : A:\Pto.amc  
Output Set: N:\CRF3\10272000\I685343.raw

3 <110> APPLICANT: CHARNEAU, PIERRE  
4 ZENNOU, VERONIQUE  
5 PFLUMIO, FRANCOISE  
6 SIRVEN, ARIDE  
7 DUBART, ANNE  
9 <120> TITLE OF INVENTION: LENTIVIRAL TRIPLEX DNA, AND VECTORS AND RECOMBINANT  
10 CELLS CONTAINING LENTIVIRAL TRIPLEX DNA  
12 <130> FILE REFERENCE: 03495.0197 SEQUENCE LISTING  
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/685,343  
C--> 15 <141> CURRENT FILING DATE: 2000-10-11  
17 <150> PRIOR APPLICATION NUMBER: 60/158,387  
18 <151> PRIOR FILING DATE: 1999-10-12  
20 <160> NUMBER OF SEQ ID NOS: 24  
22 <170> SOFTWARE: PatentIn Ver. 2.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 25  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS  
31 PRIMER BASED ON PLASMID pLA13  
33 <400> SEQUENCE: 1  
34 caattttaaa agaagagggg ggatt 25  
37 <210> SEQ ID NO: 2  
38 <211> LENGTH: 43  
39 <212> TYPE: DNA  
40 <213> ORGANISM: Artificial Sequence  
42 <220> FEATURE:  
43 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS  
44 PRIMER BASED ON PLASMID pLA13  
46 <400> SEQUENCE: 2  
47 attcatccac aacttcaagc gcccgcgtgg tattgggggg tac 43  
50 <210> SEQ ID NO: 3  
51 <211> LENGTH: 23  
52 <212> TYPE: DNA  
53 <213> ORGANISM: Artificial Sequence  
55 <220> FEATURE:  
56 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
57 AMPLIFY NUCLEIC ACID ENCODING THE ENHANCED GREEN  
58 FLUORESCENT PROTEIN  
60 <400> SEQUENCE: 3  
61 ccggatcccc accggtcgcc acc 23  
64 <210> SEQ ID NO: 4  
65 <211> LENGTH: 23  
66 <212> TYPE: DNA  
67 <213> ORGANISM: Artificial Sequence  
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
71 AMPLIFY NUCLEOTIDES ENCODING THE ENHANCED GREEN  
72 FLUORESCENT PROTEIN  
74 <400> SEQUENCE: 4  
75 ccctcgagct agagtcgcgg ccg 23  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 47  
80 <212> TYPE: DNA  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
85 AMPLIFY pUCLTRRI-.  
87 <400> SEQUENCE: 5  
88 cggaaattcgg atccgcggcc ycatcgatct tgtttcggtt gggagtg 47  
91 <210> SEQ ID NO: 6  
92 <211> LENGTH: 40  
93 <212> TYPE: DNA  
94 <213> ORGANISM: Artificial Sequence  
96 <220> FEATURE:  
97 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
98 AMPLIFY pUCLTRRI-.  
100 <400> SEQUENCE: 6  
101 cggaaattcag ccgtctcgag agatgtgcata tataaggcgc 40  
104 <210> SEQ ID NO: 7  
105 <211> LENGTH: 38  
106 <212> TYPE: DNA  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
111 AMPLIFY CPPT AND CTS OF pLA13  
113 <400> SEQUENCE: 7  
114 gtggtcggcg ccgaattcac aaatggcagt attcatcc 38  
117 <210> SEQ ID NO: 8  
118 <211> LENGTH: 34  
119 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
124 AMPLIFY CPPT AND CTS OF pLA13  
126 <400> SEQUENCE: 8  
127 gtcgtcgqcg ccccaaagtq gatctctgtt qtcc 34  
130 <210> SEQ ID NO: 9  
131 <211> LENGTH: 38  
132 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial Sequence  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
137 AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON  
138 THE MATRIX pLai

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140 <400> SEQUENCE: 9  
141 gtcgtcgcgccgaatcac aaatggcagt attcatcc 38  
144 <210> SEQ ID NO: 10  
145 <211> LENGTH: 39  
146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial Sequence  
149 <220> FEATURE:  
150 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
151 AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON  
152 THE MATRIX pLai  
154 <400> SEQUENCE: 10  
155 agcctcacgacgcgtatcgccaaagtggatctgtctgt 39  
158 <210> SEQ ID NO: 11  
159 <211> LENGTH: 26  
160 <212> TYPE: DNA  
161 <213> ORGANISM: Artificial Sequence  
163 <220> FEATURE:  
164 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
165 AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON  
166 THE MATRIX pEFpgkneo  
168 <400> SEQUENCE: 11  
169 ctgatacgcgtcggtggctccggtg 26  
172 <210> SEQ ID NO: 12  
173 <211> LENGTH: 26  
174 <212> TYPE: DNA  
175 <213> ORGANISM: Artificial Sequence  
177 <220> FEATURE:  
178 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO  
179 AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON  
180 THE MATRIX pEFpgkneo  
182 <400> SEQUENCE: 12  
183 cgggatccctgtgttctggcgcaaac 26  
186 <210> SEQ ID NO: 13  
187 <211> LENGTH: 23  
188 <212> TYPE: DNA  
189 <213> ORGANISM: Homo sapiens  
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192 ccctcgagctagagtccgcggccg 23  
195 <210> SEQ ID NO: 14  
196 <211> LENGTH: 23  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Homo sapiens  
200 <400> SEQUENCE: 14  
201 ccggatccccaccggtcgcccacc 23  
204 <210> SEQ ID NO: 15  
205 <211> LENGTH: 21  
206 <212> TYPE: DNA  
207 <213> ORGANISM: Artificial Sequence  
209 <220> FEATURE:

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210 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR  
211 AMPLIFICATION OF pLA13 VIRAL DNA  
213 <400> SEQUENCE: 15  
214 agaagaatg atgacagcat g 21  
217 <210> SEQ ID NO: 16  
218 <211> LENGTH: 17  
219 <212> TYPE: DNA  
220 <213> ORGANISM: Artificial Sequence  
222 <220> FEATURE:  
223 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR  
224 AMPLIFICATION OF pLA13 VIRAL DNA  
226 <400> SEQUENCE: 16  
227 tgccaggatctt agctctcg 17  
230 <210> SEQ ID NO: 17  
231 <211> LENGTH: 20  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial Sequence  
235 <220> FEATURE:  
236 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR  
237 SYNTHESIS OF PROBE FOR pTRIPGFP VECTOR  
239 <400> SEQUENCE: 17  
240 cagggacttg aaagcgaag 20  
243 <210> SEQ ID NO: 18  
244 <211> LENGTH: 27  
245 <212> TYPE: DNA  
246 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR  
250 SYNTHESIS OF PROBE FOR pTRIPGFP VECTOR  
252 <400> SEQUENCE: 18  
253 gcttgtgtta ttgttaattt ctctgtc 27  
256 <210> SEQ ID NO: 19  
257 <211> LENGTH: 7  
258 <212> TYPE: PRT  
259 <213> ORGANISM: Human immunodeficiency virus type 1  
261 <220> FEATURE:  
262 <221> NAME/KEY: PEPTIDE  
263 <222> LOCATION: (1)..(7).  
264 <223> OTHER INFORMATION: Partial HIV-1 cPPT sequence.  
266 <400> SEQUENCE: 19  
267 Asn Phe Lys Arg Lys Gly Gly  
268 1 5  
271 <210> SEQ ID NO: 20  
272 <211> LENGTH: 19  
273 <212> TYPE: DNA  
274 <213> ORGANISM: Human immunodeficiency virus type 1  
276 <400> SEQUENCE: 20  
277 ttttaaaaga aaaggggg 19  
280 <210> SEQ ID NO: 21

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281 <211> LENGTH: 19  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION  
287 INTRODUCED INTO THE HIV-1 cPPT SEQUENCE  
289 <400> SEQUENCE: 21  
290 ttttaaacgc aaaggttgt 19  
293 <210> SEQ ID NO: 22  
294 <211> LENGTH: 7  
295 <212> TYPE: PRT  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTANT  
300 PEPTIDE OF HIV-1 cPPT SEQUENCE  
302 <400> SEQUENCE: 22  
303 Asn Phe Lys Arg Arg Gly Gly  
304 1 5  
307 <210> SEQ ID NO: 23  
308 <211> LENGTH: 19  
309 <212> TYPE: DNA  
310 <213> ORGANISM: Artificial Sequence  
312 <220> FEATURE:  
313 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION  
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317 ttttaaaaga agaggggg 19  
320 <210> SEQ ID NO: 24  
321 <211> LENGTH: 19  
322 <212> TYPE: DNA  
323 <213> ORGANISM: Artificial Sequence  
325 <220> FEATURE:  
326 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATIONS  
327 INTRODUCED INTO THE HIV-1 cPPT CODING SEQUENCE  
329 <400> SEQUENCE: 24  
330 cttaaggcgc cgcggttgt 19

**VERIFICATION SUMMARY** DATE: 10/27/2000  
**PATENT APPLICATION:** US/09/685,343 TIME: 18:05:20

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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date